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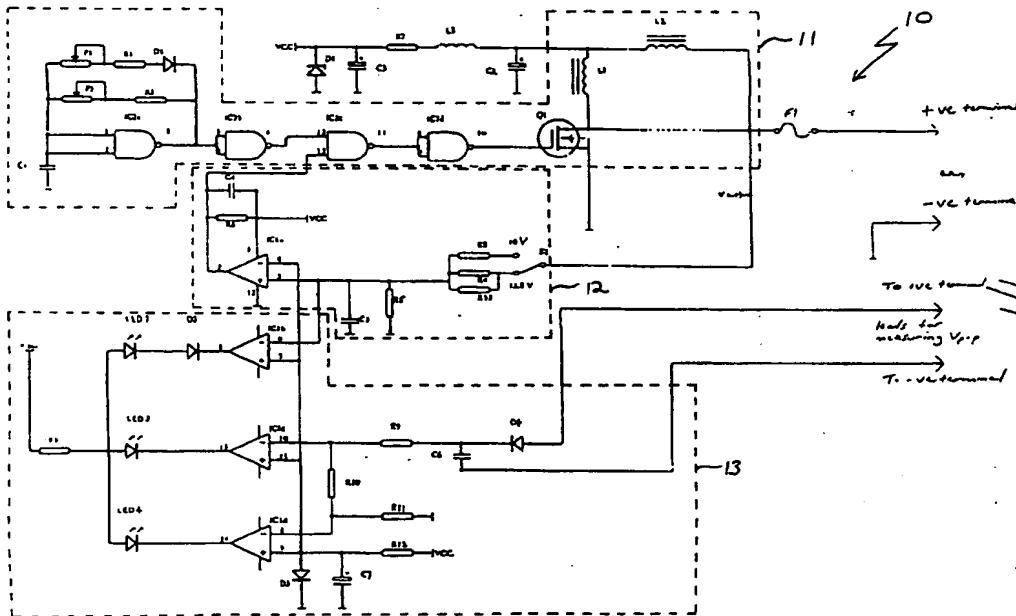
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: A BATTERY CONDITIONING APPARATUS



(57) **Abstract:** An apparatus for lowering internal battery resistance, comprising a pulse generator for delivering pulses to at least one terminal of the battery and a controller for controlling the pulse generator and comprising a voltage input selector for selecting the voltage at which the controller is operated.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00957

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: H01M 10/42, H02J 7/00, G01V 1/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPAT, IEEE (battery, internal resistance, pulse, condition)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/15259 A1 (ALLIEDSIGNAL INC.) 1 March 2001 Whole document	16
X	WO 96/35522 A1 (KONINKLIJKE PTT NEDERLAND N.V.) 14 November 1996 Abstract, figures, pages 3-7	16
X	WO 96/17426 A1 (MANITOBA, LTD.) 6 June 1996 Whole document	21
Y	Whole document	1,10,25

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"B" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
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Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00957

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0014878 A1 (CHIANG et al.) 7 February 2002 Abstract, figures, sections 0004, 0028	1,10,21,25
Y	TANIGUCHI, S. et al. "A method for identifying the full charging point and the degree of deterioration of lead-acid batteries" 10-14 September 2000	16
Y	US 5677612 A (CAMPAGNUOLO et al.) 14 October 1997 Abstract, column 1 lines 20-24,55-61, column 3 lines 28-31, 47-51, 65 to col. 4 line 2, figure 5	1,10,21,25

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/AU03/00957

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO 200115259	AU 200067915	CA 2382416	EP 1206809				
	US 6258479						
WO 9635522	AU 58162/96	CA 2220364	EP 825905				
	NO 975123						
WO 9617426	AU 39206/95	CA 2206431	EP 795223				
	FI 972283	NO 972421	US 5648714				
US 2002014878	US 6479966	US 6344729					
US 5677612	NONE						

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